

Adjustable Strut Mount Kit

CONTENTS

INSTALLATION

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INSTALLATION**Adjustable Strut Mount Kit****Special Tool(s)**

Spring Compressor

Vise

Adjustable Strut Mount Kit Contents**NOTICE:**

Suspension fasteners are critical parts that affect the performance of vital components and systems. Failure of these fasteners may result in major service expense. Use the same or equivalent parts if replacement is necessary. Do not use a replacement part of lesser quality or substitute design. Tighten fasteners as specified.

1. Review the Adjustable Strut Mount Kit contents

Adjustable Strut Mount Kit

Part Number	Quantity	Description
KR3V-18183-AC	1	Adjustable Top Mount RH
KR3V-18184-AC	1	Adjustable Top Mount LH
W715135-S450	6	Mount To Body Fastener
W520215-S440	2	Mount to Strut Fastener
W715932-S439	4	Strut to Knuckle Bolt
W520517-S450	4	Strut to Knuckle Nut
W712503-S440	2	Stabilizer Bar Link Upper Nut

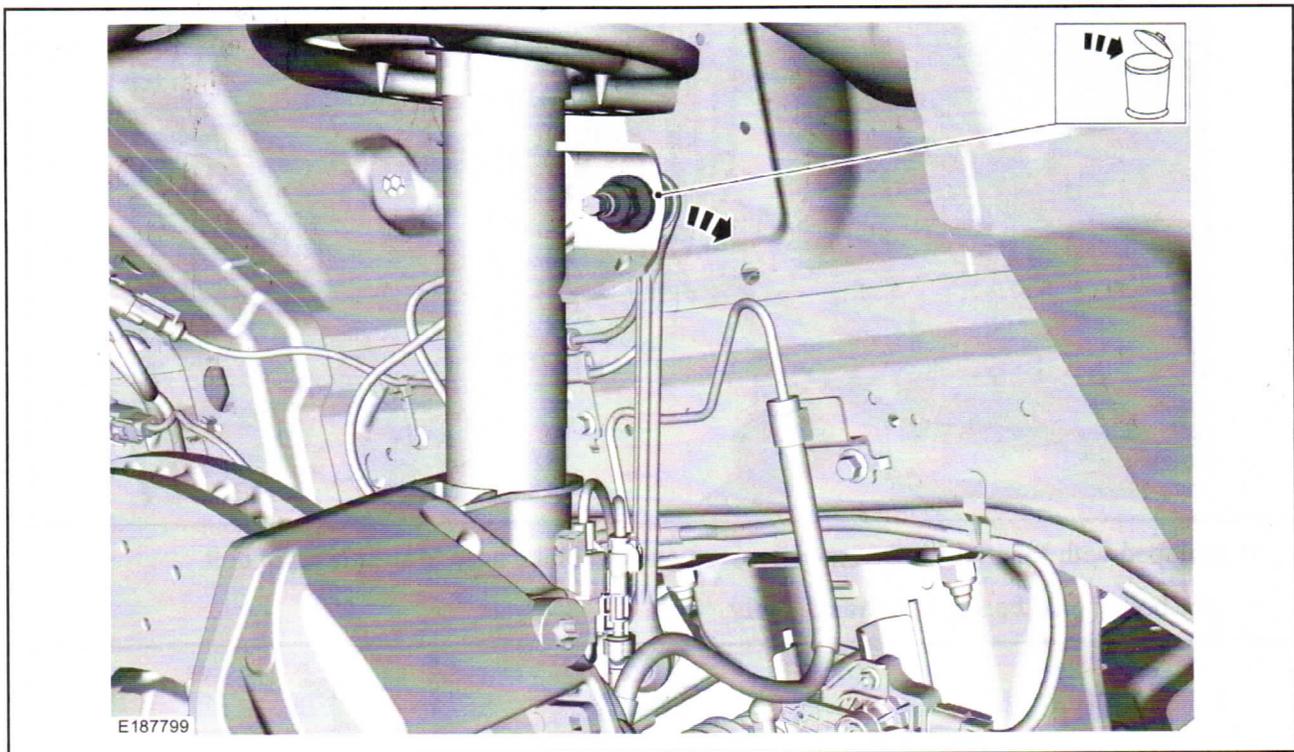
INSTALLATION (Continued)**Strut Removal**

2. Remove the front wheel and tire assemblies. Following Workshop Manual (WSM) Procedures in Section 201-04A: (Wheels and Tires, Removal and Installation).
3. **NOTE:**
The stabilizer bar links are designed with low friction ball joints that have a low breakaway torque.

NOTE:

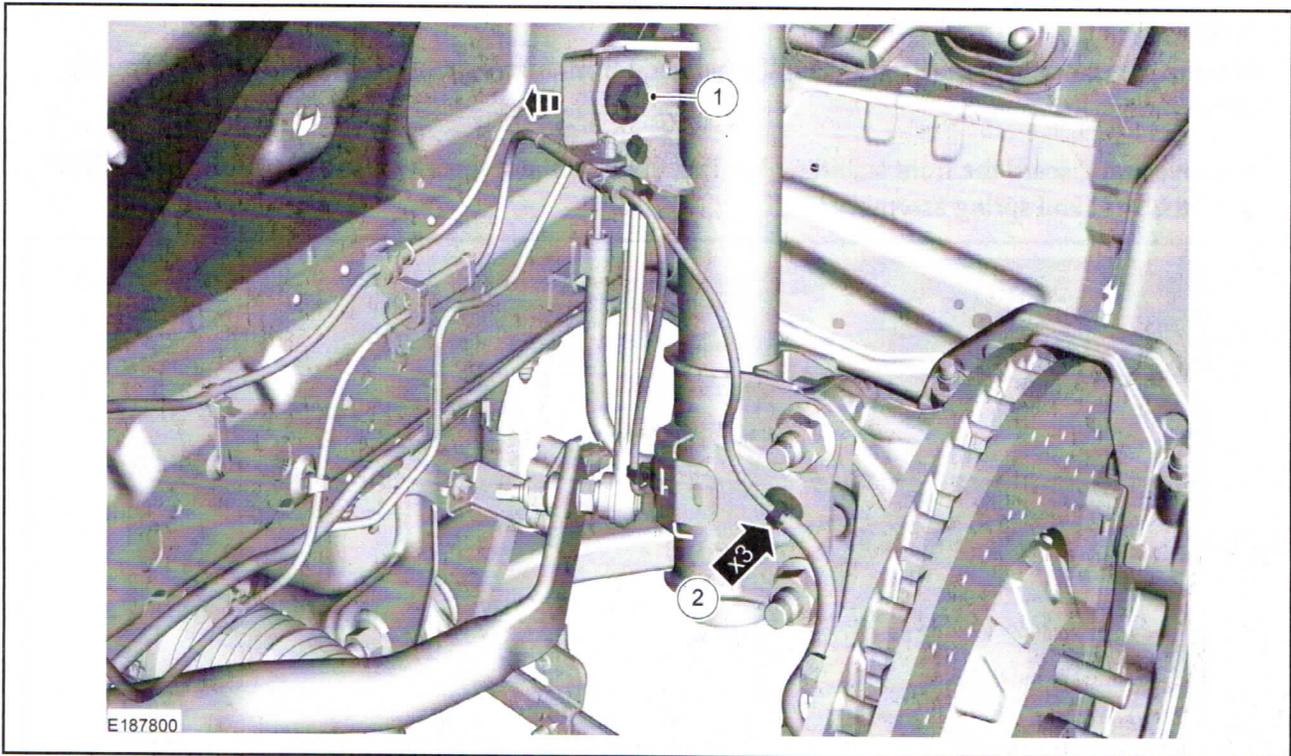
Use the hex-holding feature to prevent the ball stud from turning while removing or installing the stabilizer bar link nut.

Remove and discard the front stabilizer bar link upper nut and separate the front stabilizer bar link from the strut and spring assembly.

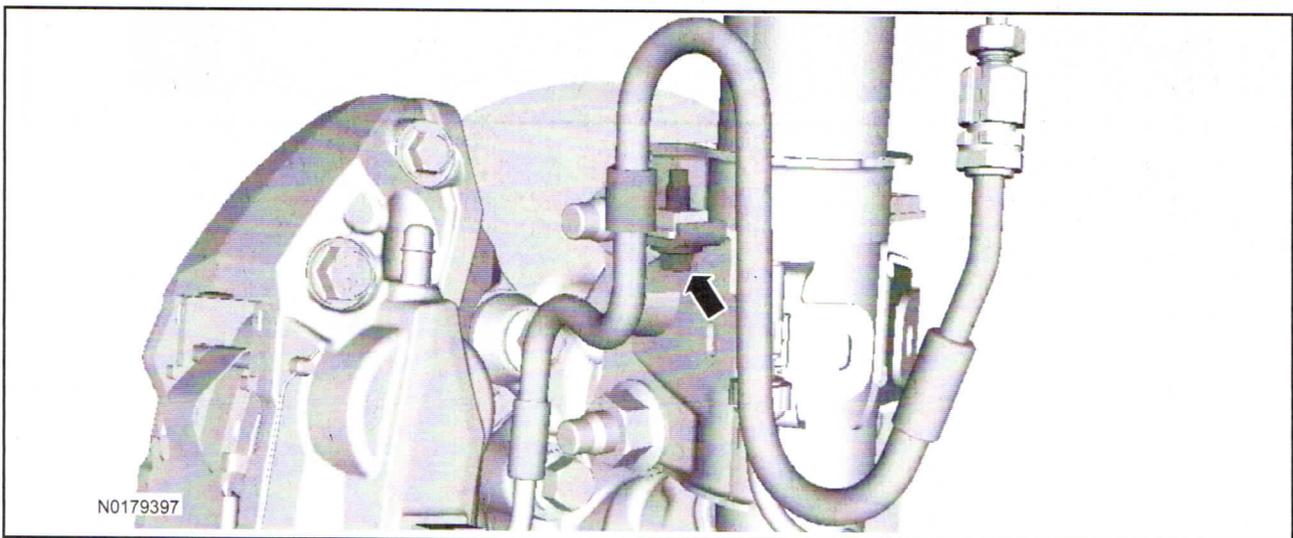


INSTALLATION (Continued)

4. If equipped with dynamic suspension.
 - 1 Remove the dynamic suspension strut wire harness bracket bolt and position the bracket and wire harness aside.
 - 2 Disconnect the 2 wheel speed sensor retainers and the 1 dynamic suspension strut wire harness retainer.

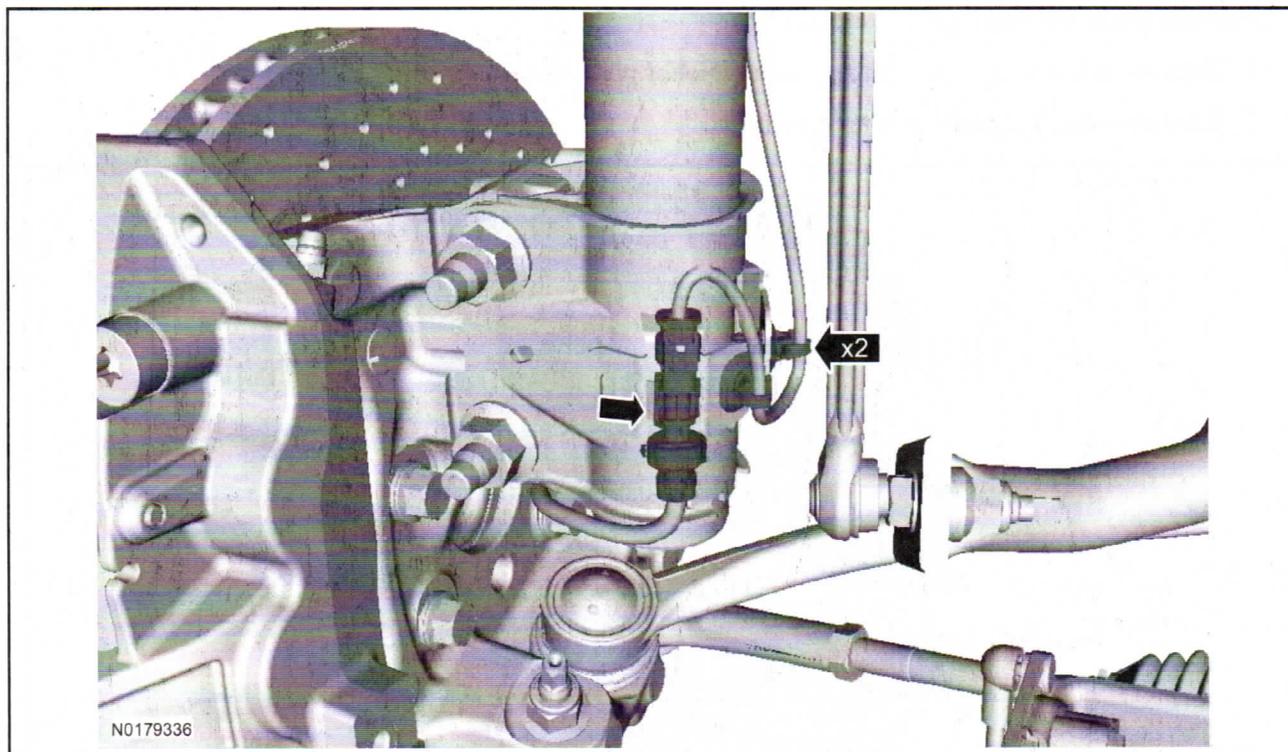


5. If equipped with MagneRide® suspension, remove the brake hose to strut bracket bolt.
 - The bolt should be saved for reassembly.



INSTALLATION (Continued)

6. If equipped with dynamic suspension, disconnect the dynamic suspension strut wire harness connector.

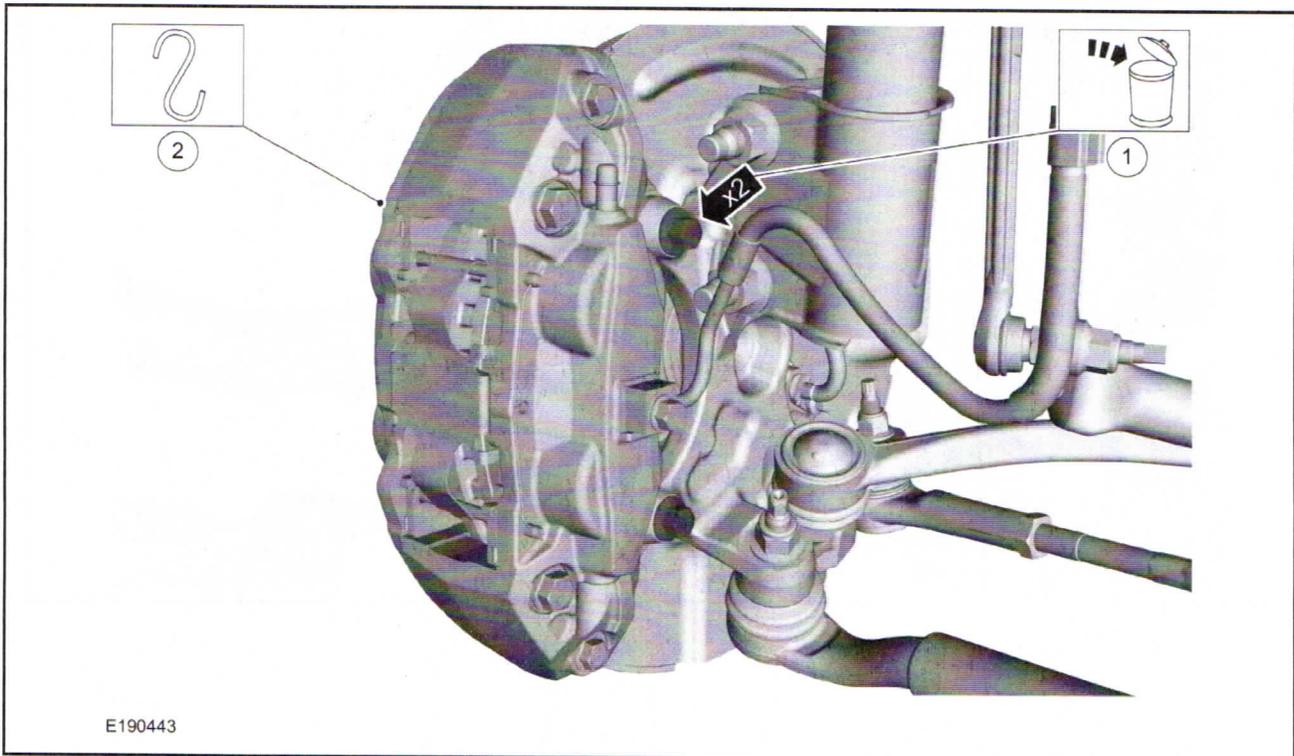


INSTALLATION (Continued)**7. NOTE:**

Base brakes shown, other applications similar.

Position aside the brake caliper assembly.

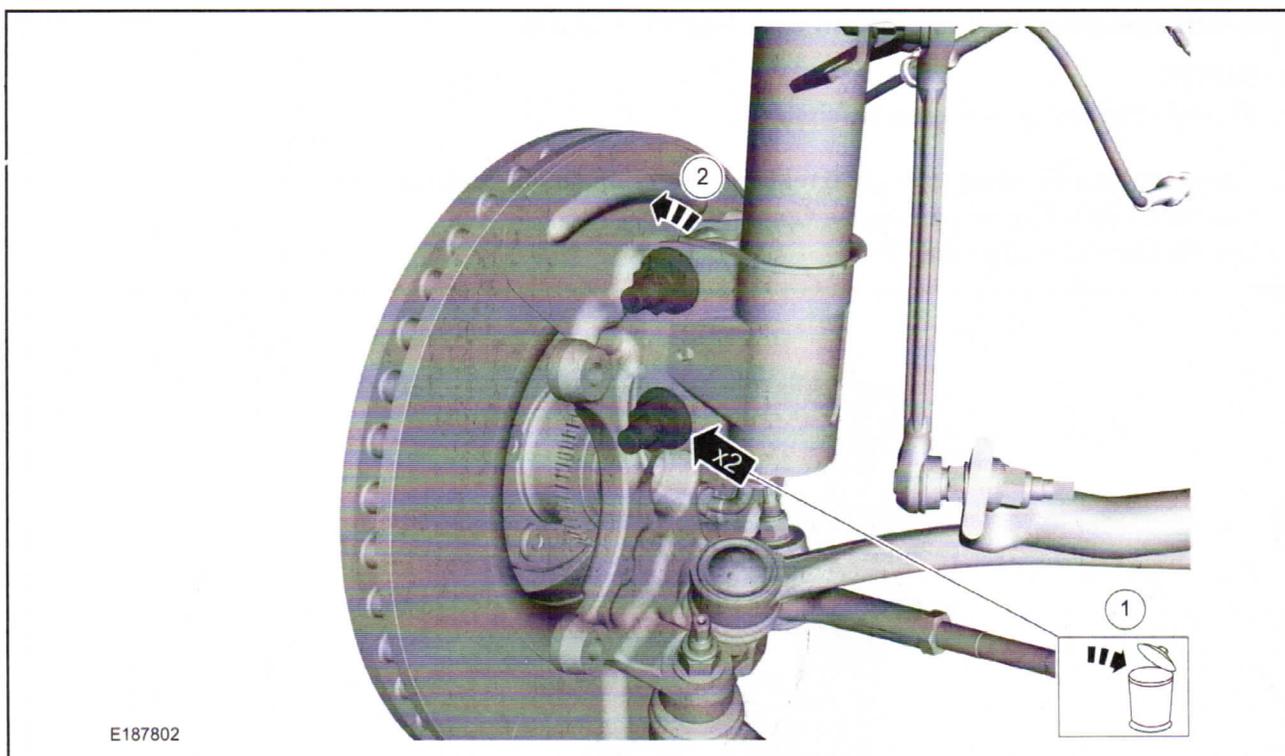
- 1 Remove and discard the 2 brake caliper anchor plate bolts.
- 2 Position aside the brake caliper assembly.

**8. NOTE:**

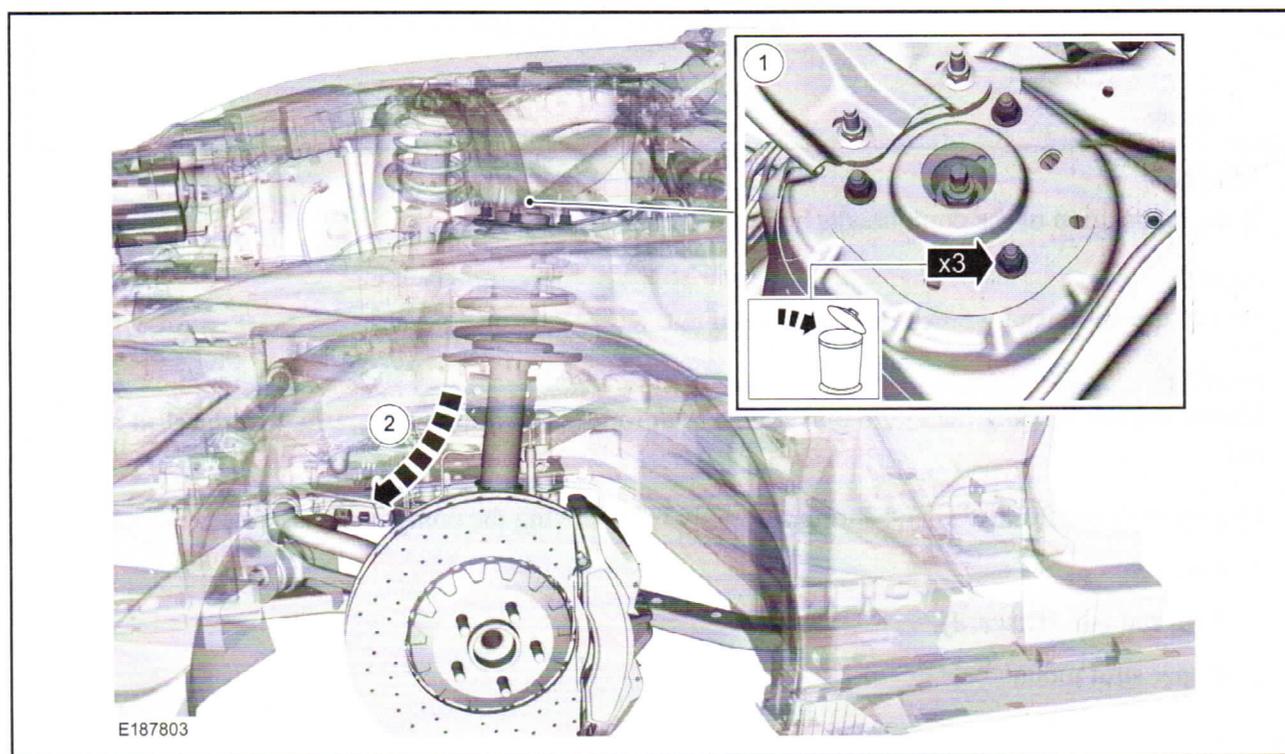
Original strut-to-wheel spindle bolts are splined and may need to be driven out.

- 1 Remove and discard the 2 strut-to-wheel spindle bolts and nuts.
- 2 Separate the wheel spindle from the front strut and spring assembly.

INSTALLATION (Continued)



- 9. 1 Remove and discard the 3 upper strut mount nuts.
- 2 Remove the front strut and spring assembly.



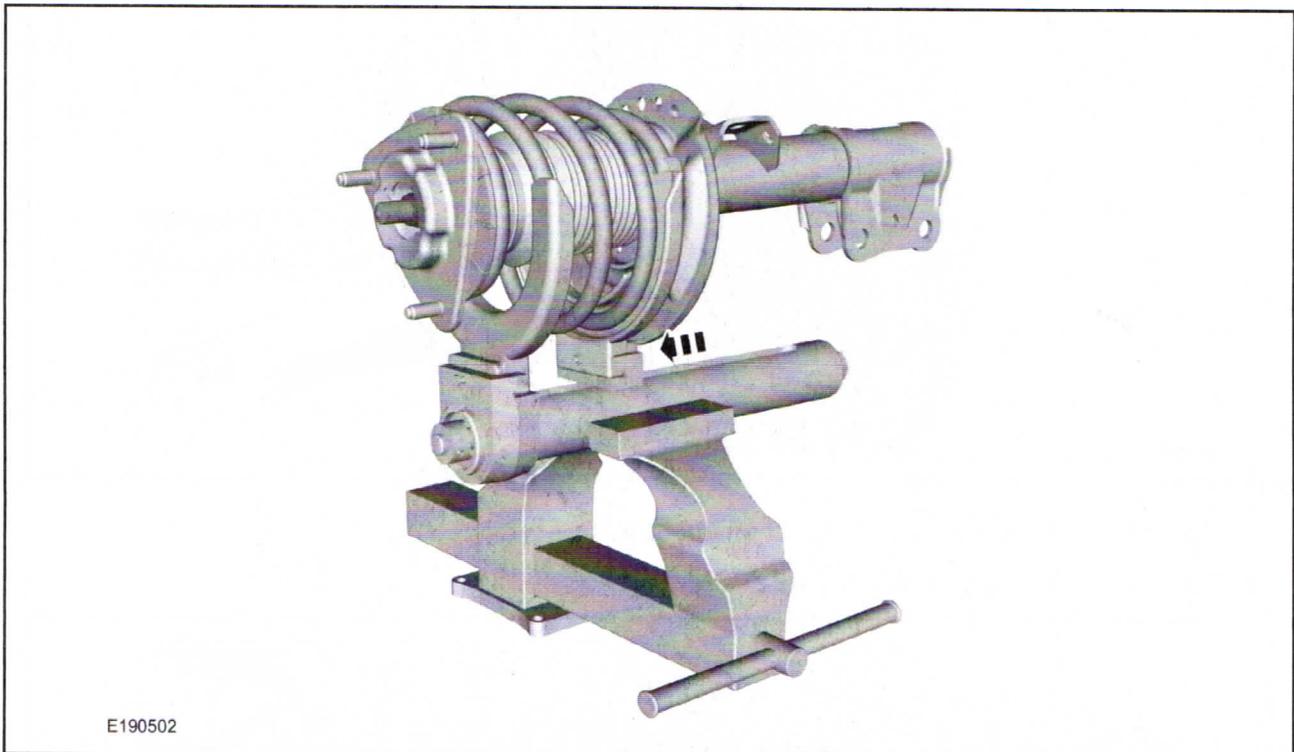
INSTALLATION (Continued)**Strut Disassembly and Installation of Adjustable Mount****10. NOTE:**

Typical strut and spring assembly shown.

Compress the coil spring enough to relieve the tension on the strut assembly.

Use the General Equipment: Spring Compressor

Use the General Equipment: Vise

**11. NOTE:**

Note the position of the components before removal.

NOTE:

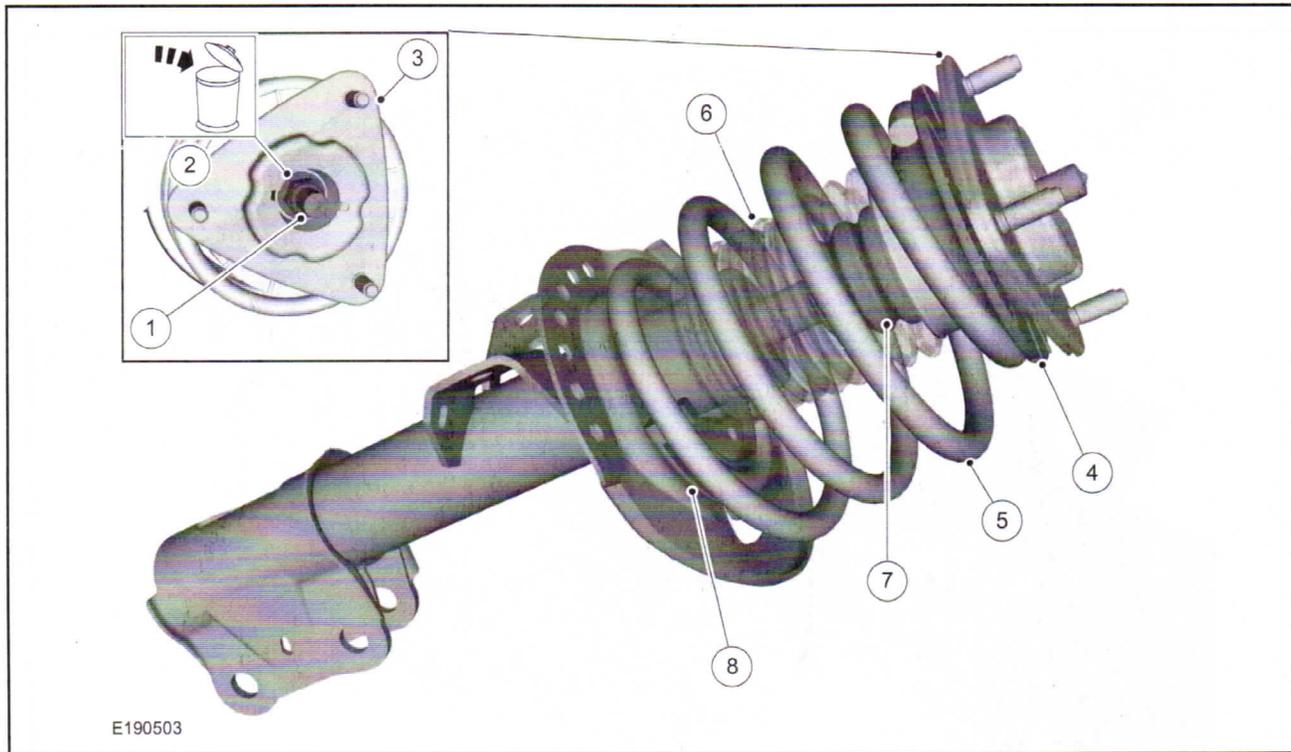
Do not use an impact wrench on the strut rod nut.

NOTE:

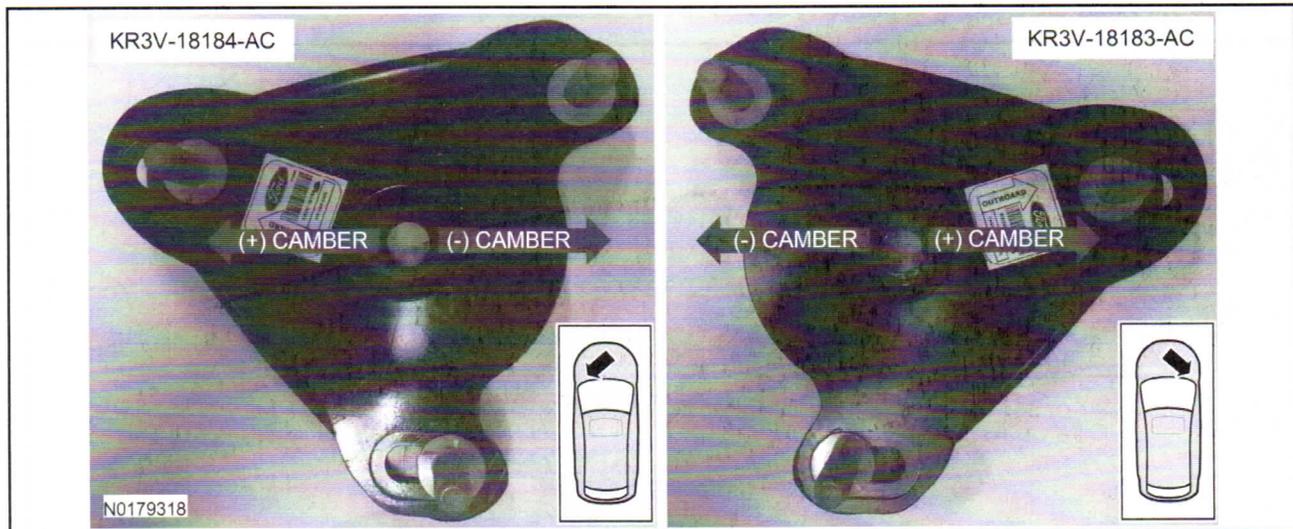
Utilize the hex holding feature to prevent the strut rod from turning while removing the strut rod nut.

Disassemble the front strut and spring assembly by removing the components as listed.

- 1 Cap.
- 2 Strut rod nut. (Discard)
- 3 Upper strut mount.

INSTALLATION (Continued)**Installation of New Adjustable Mount and Strut Assembly**

12. Install the new Adjustable mount with bushing in outboard position (shown). Full outboard position is street alignment setting.

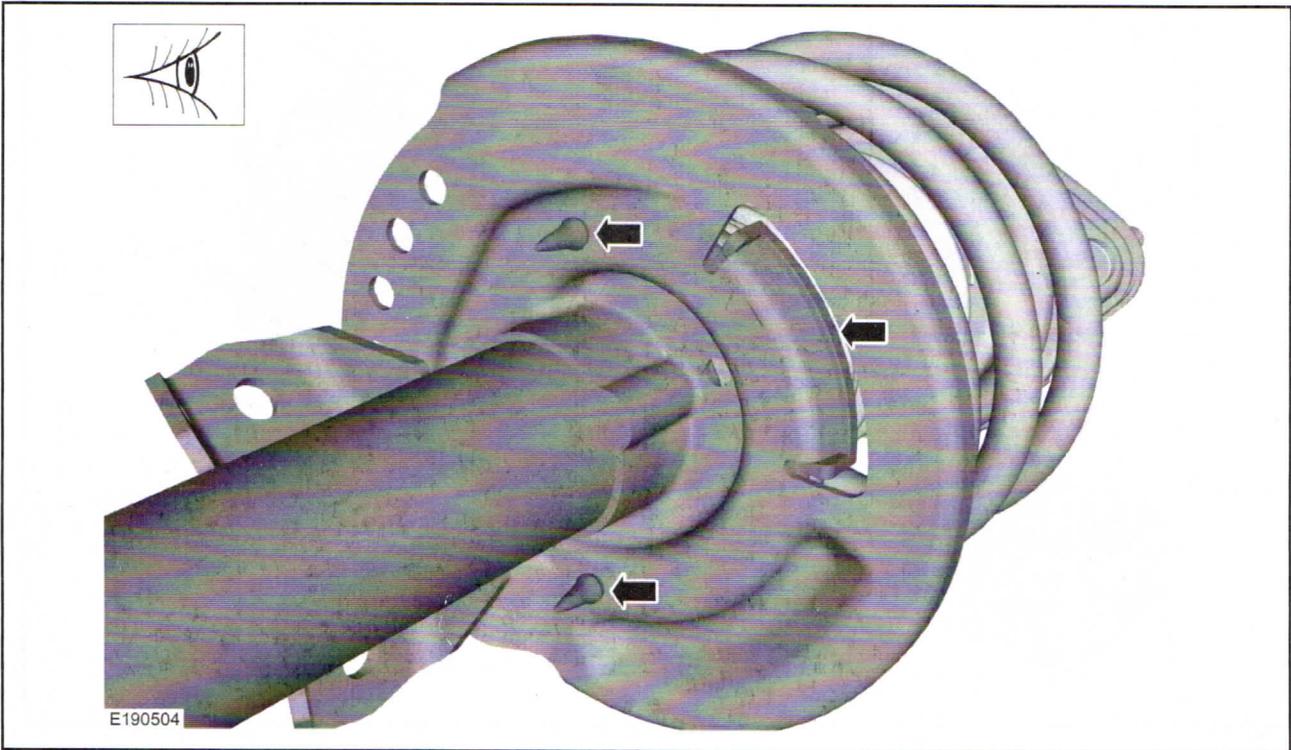
**13. NOTE:**

Make sure that the components are installed to the position noted before removal.

To assemble, reverse the disassembly procedure.

INSTALLATION (Continued)

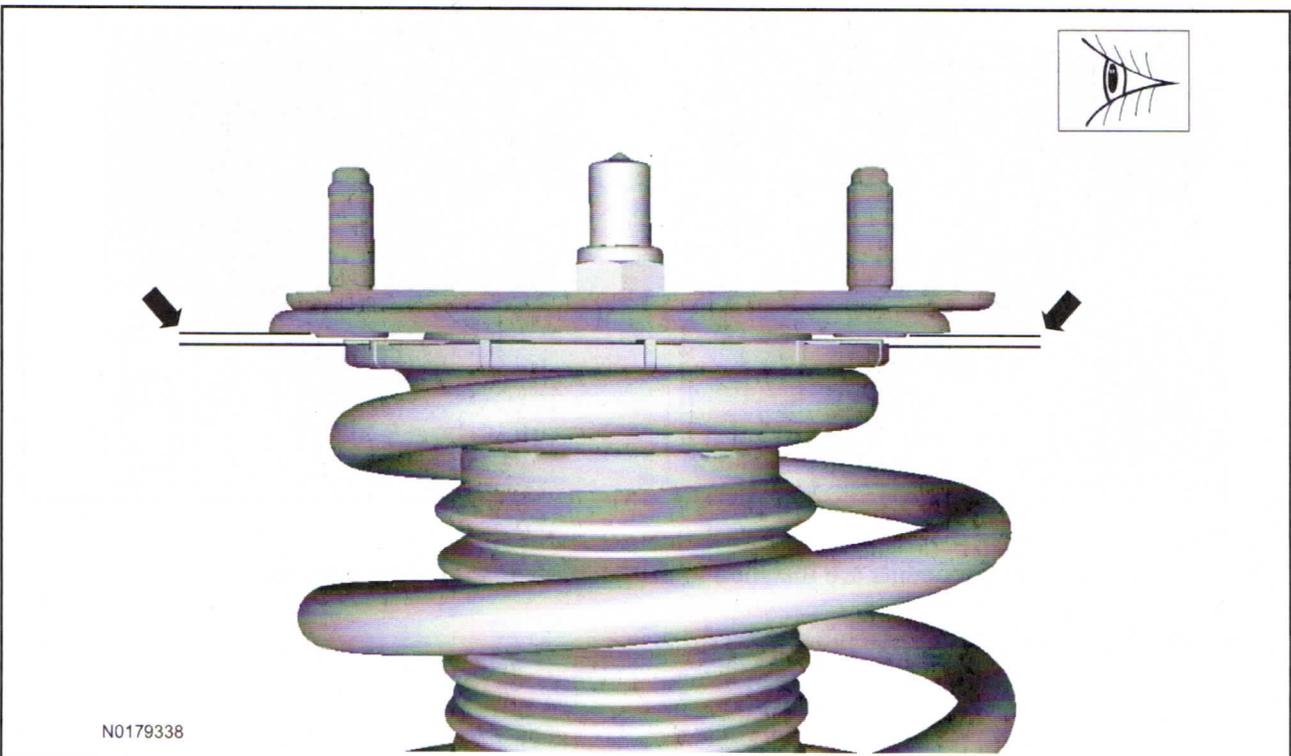
14. Make sure that the lower spring seat is properly installed.



15. NOTE:

If bearing is properly seated, there should be equal spacing on all sides.

Make sure that the bearing is properly seated in the mount.

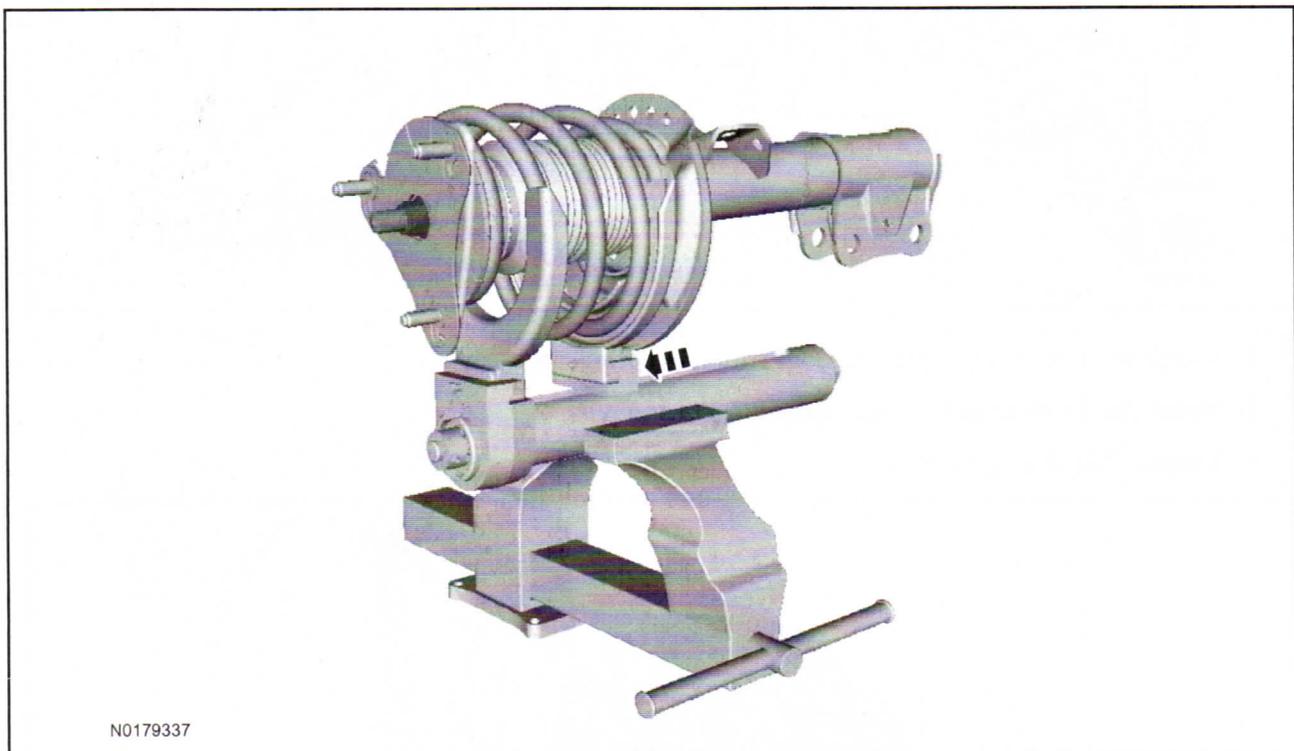


INSTALLATION (Continued)**16. NOTE:**

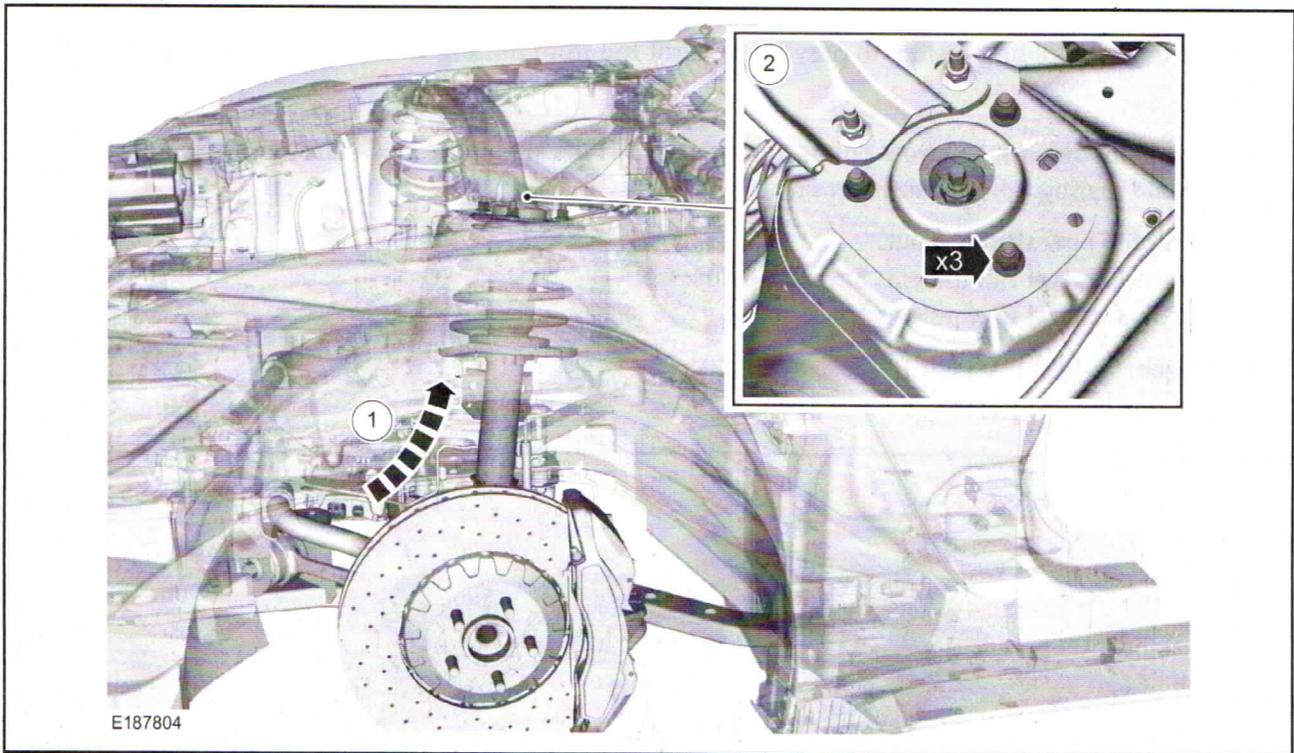
Utilize the hex holding feature to prevent the strut rod from turning while installing the strut rod nut.

Rotate mount on strut so arrow points outboard, insert the stud plate studs through the slots on mount and mating holes in strut tower.

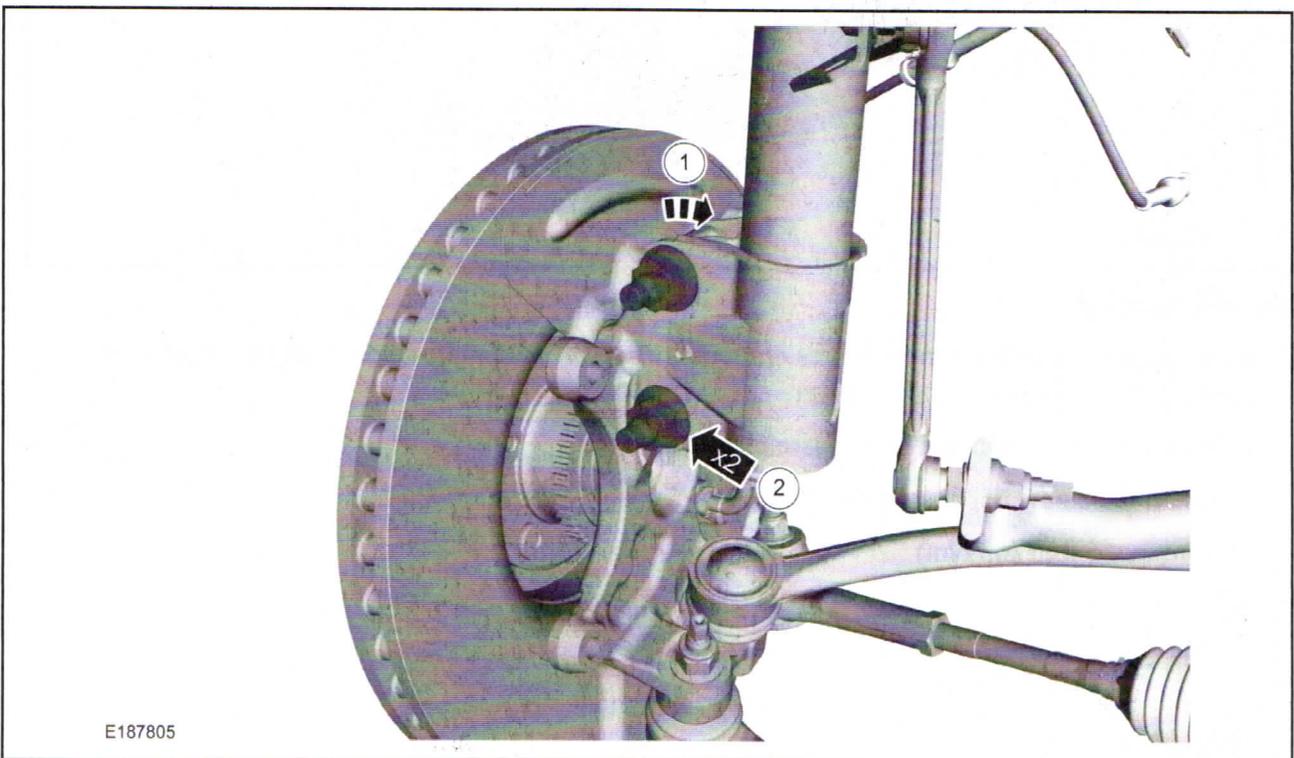
- 1 Install the new strut rod nut.
Use the General Equipment: Spring Compressor
Use the General Equipment: Vise
- 2 Torque: 76 lb.ft (103 Nm)
- 3 Install the cap.

**Strut Installation**

17. Rotate mount on strut so arrow points outboard, insert the stud plate studs through the slots on mount and mating holes in strut tower.
 - 1 Install the front strut and spring assembly.
 - 2 Install the 3 new upper strut mount nuts.
 - Torque: 46 lb.ft (63 Nm)



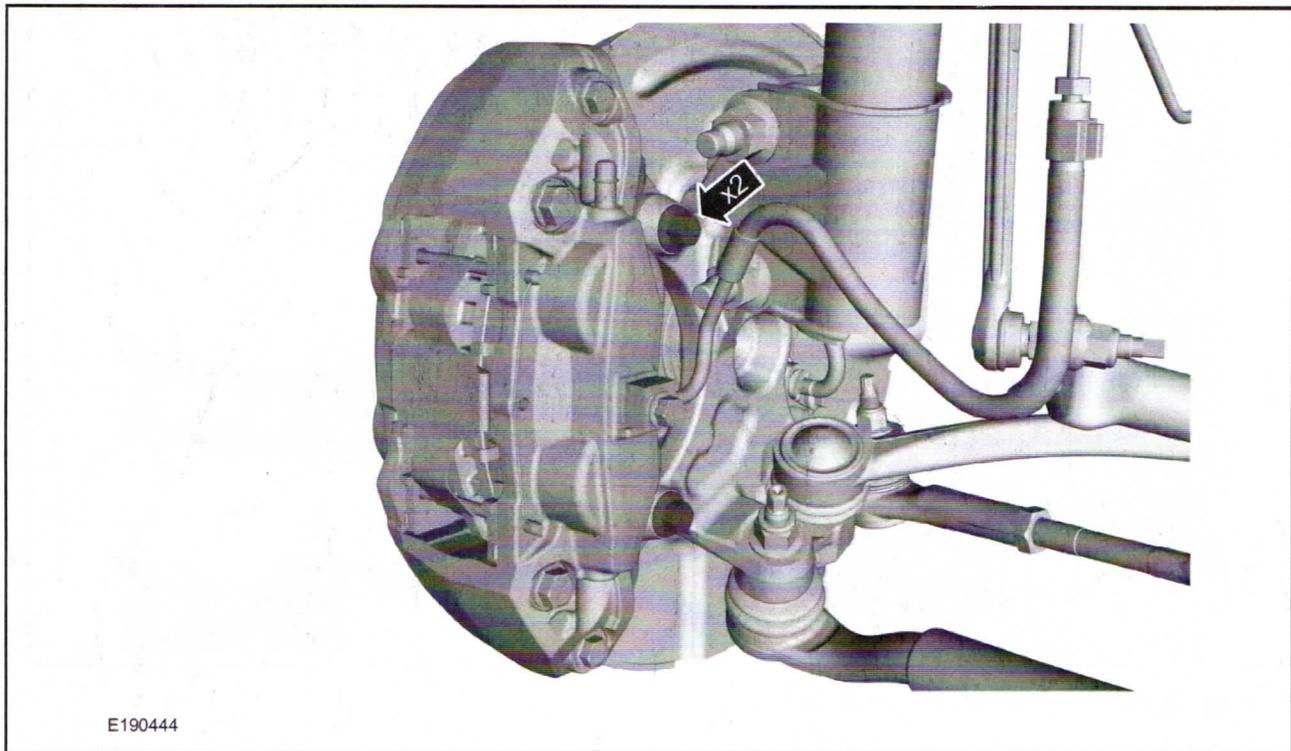
18. 1 Attach the wheel spindle to the front strut and spring assembly.
2 Install the 2 new strut-to-wheel spindle bolts and nuts.
- Torque: 184 lb.ft (250 Nm)



INSTALLATION (Continued)

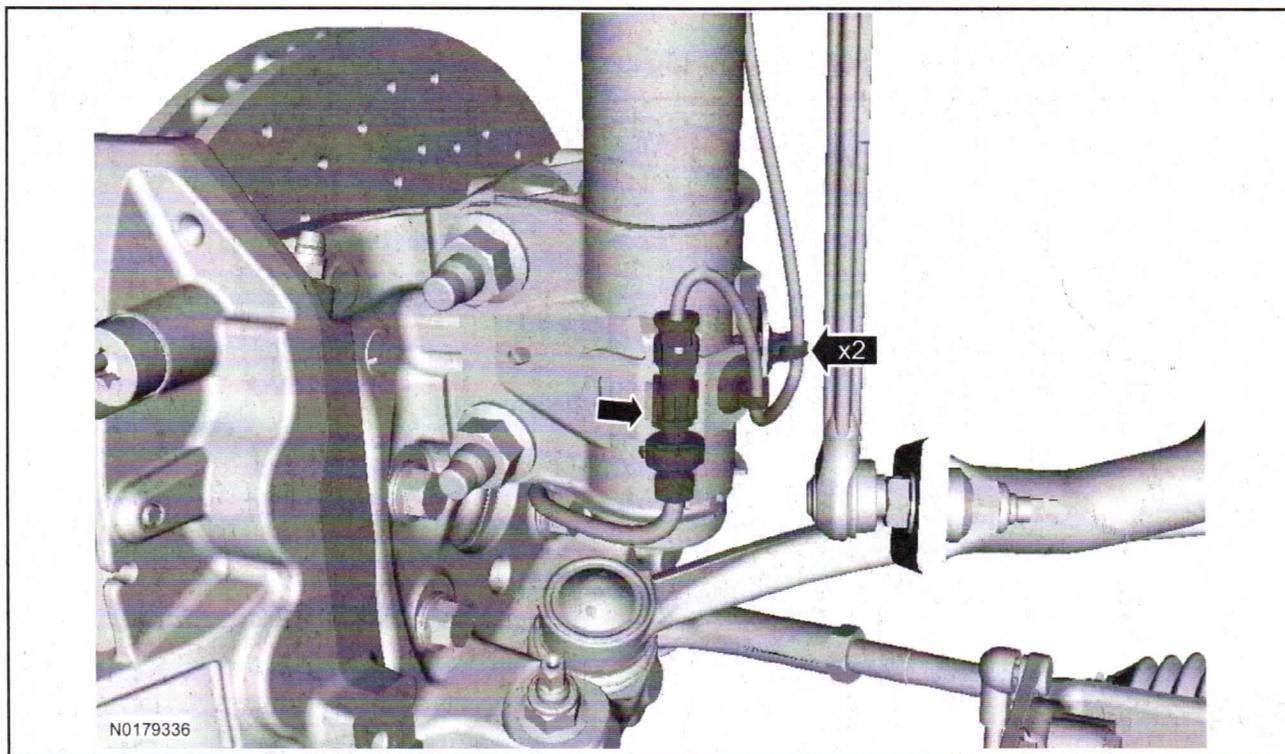
19. Position the brake caliper assembly and install the 2 new brake caliper anchor plate bolts.

- Base Mustang - Torque: 85 lb.ft (115 Nm)
- For Mustang GT350 and GT500 - Torque: 136 lb.ft (185 Nm)



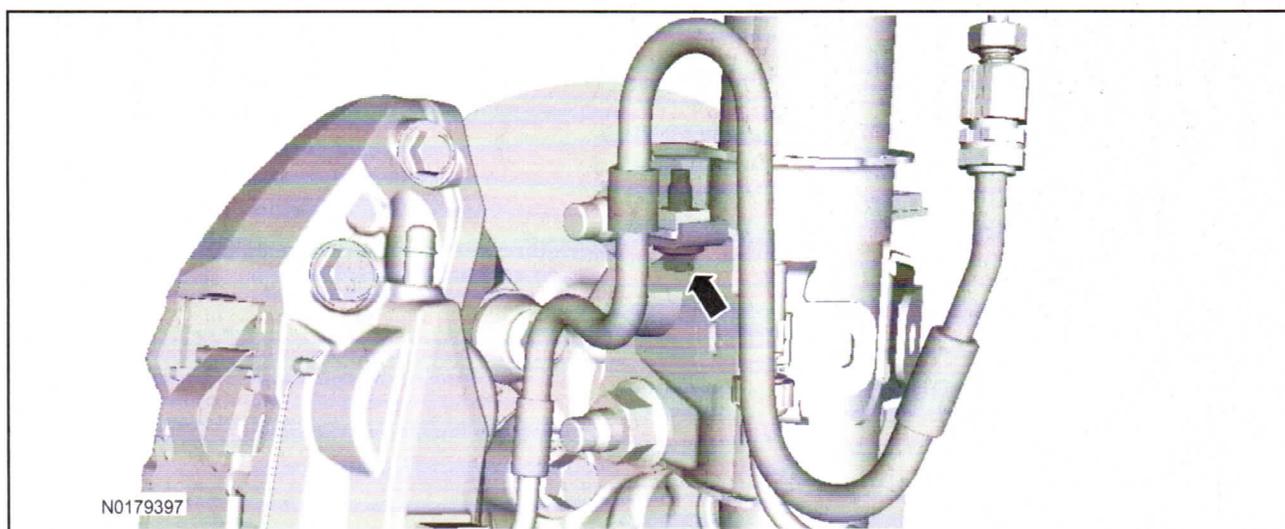
INSTALLATION (Continued)

20. If equipped with dynamic suspension, connect the dynamic suspension strut wire harness connector.



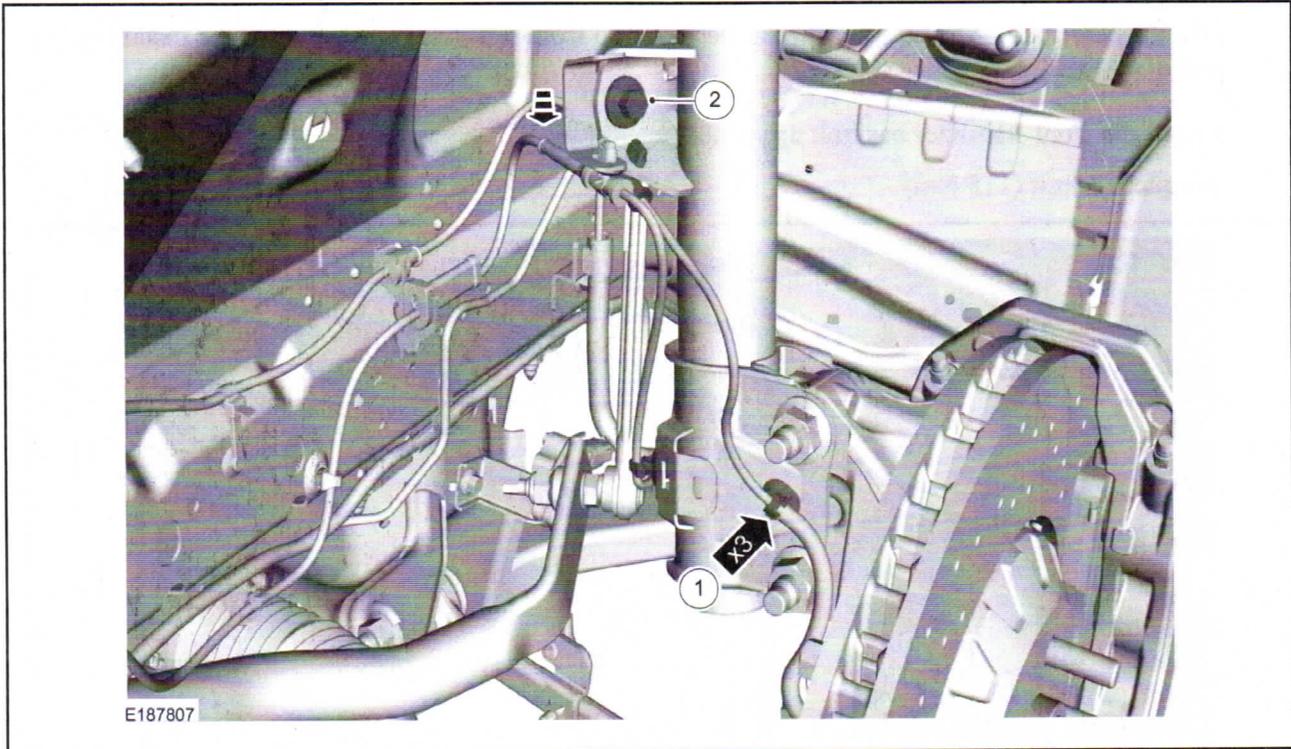
21. If equipped with MagneRide® suspension:

- 1 Apply Loctite® 243 to the bolt threads.
 - 2 Position the bracket back onto the strut and install the bolt.
- Torque: 22 lb.ft (30 Nm)



INSTALLATION (Continued)

22. 1 Connect the 2 wheel speed sensor retainers and the 1 dynamic suspension strut wire harness retainer
- 2 If equipped with dynamic suspension, position the dynamic suspension strut wire harness bracket install the bolt.
- Torque: 46 lb.ft (63 Nm)



INSTALLATION (Continued)

23. 1 Position the front stabilizer bar link.

2 **NOTE:**

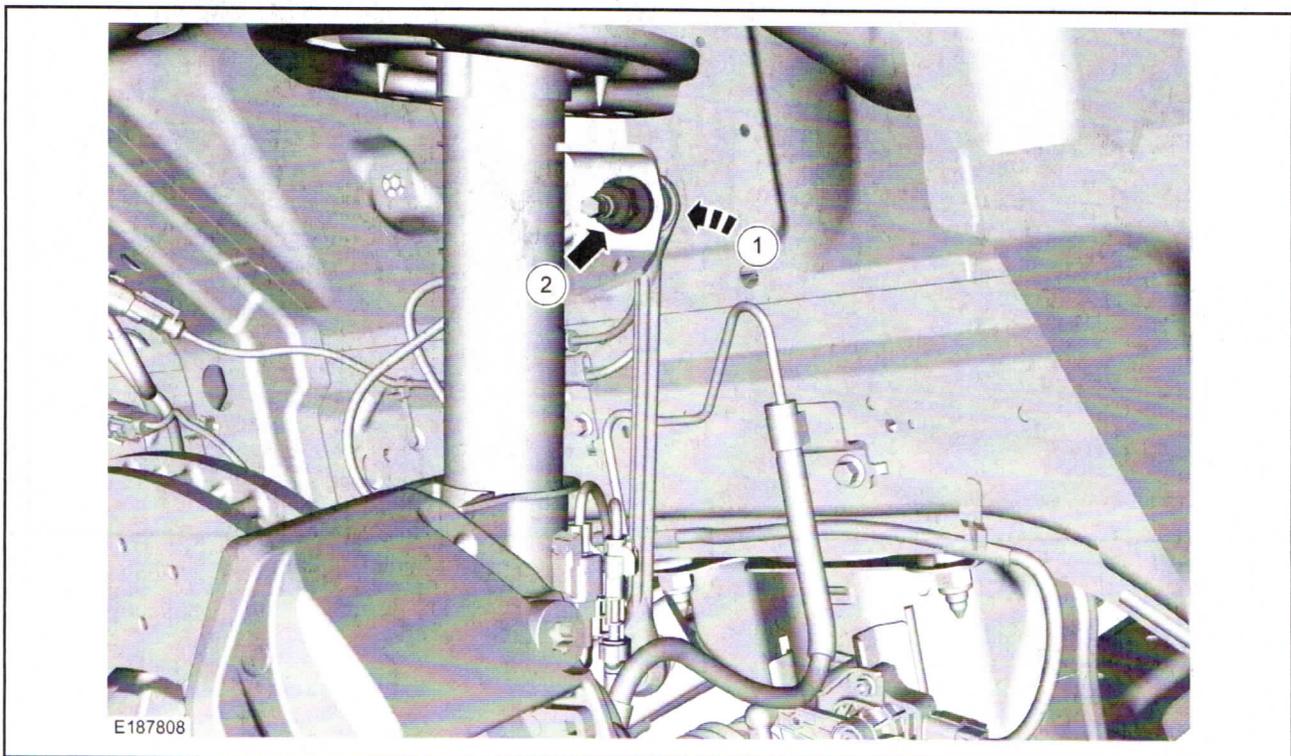
The stabilizer bar links are designed with low friction ball joints that have a low breakaway torque.

NOTE:

Use the hex-holding feature to prevent the ball stud from turning while removing or installing the stabilizer bar link nut.

Install the front stabilizer bar link upper nut.

- Torque: 85 lb.ft (115 Nm)



24. Install the front wheel and tire assemblies. Following WSM Procedures in Section 204-04A: (Wheels and Tires, Removal and Installation).

25. Check and if necessary adjust front camber.

- Unload the suspension, loosen, but don't remove the three strut to body nuts. Then move the strut rod in the desired position.
- Torque nuts to 46 lb-ft (63 Nm).